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PATENT
Docket No.: 2283/201

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Margret Maria Sauter et al.

Serial No. : 09/785,738

Cnfrm. No. : 3348

Filed : February 16, 2001

For : ALTERATION OF GROWTH AND
ADAPTATION UNDER HYPOXIC
CONDITIONS

Examiner:

Art Unit:

SUBMISSION OF SUBSTITUTE DRAWINGS

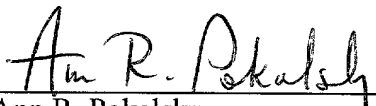
Assistant Commissioner for Patents
Washington, D.C. 20231
Box: Missing Parts

Dear Sir:

As requested in the Notice to File Missing Parts mailed March 19, 2001, enclosed for filing in the above-identified application are 10 sheets of substitute drawings.

Respectfully submitted,

Date: May 18, 2001


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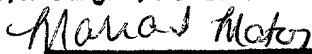
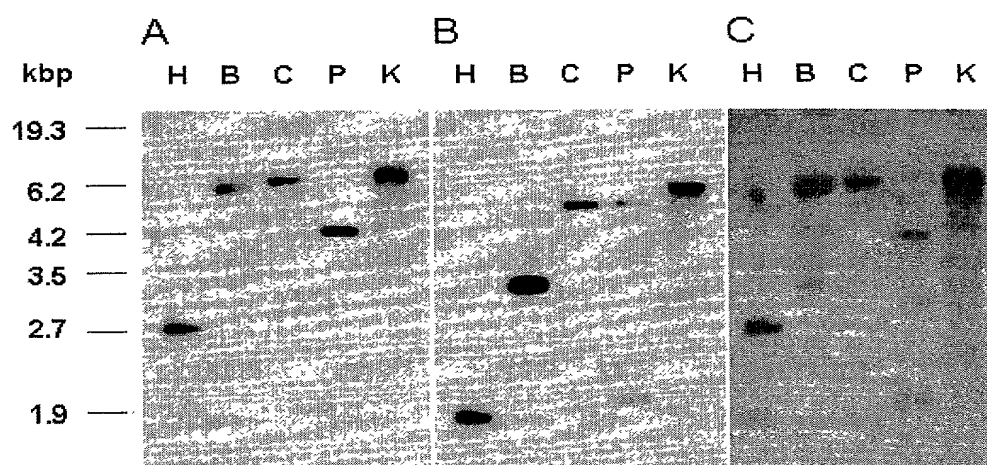

Maria L. Matos

Fig. 1



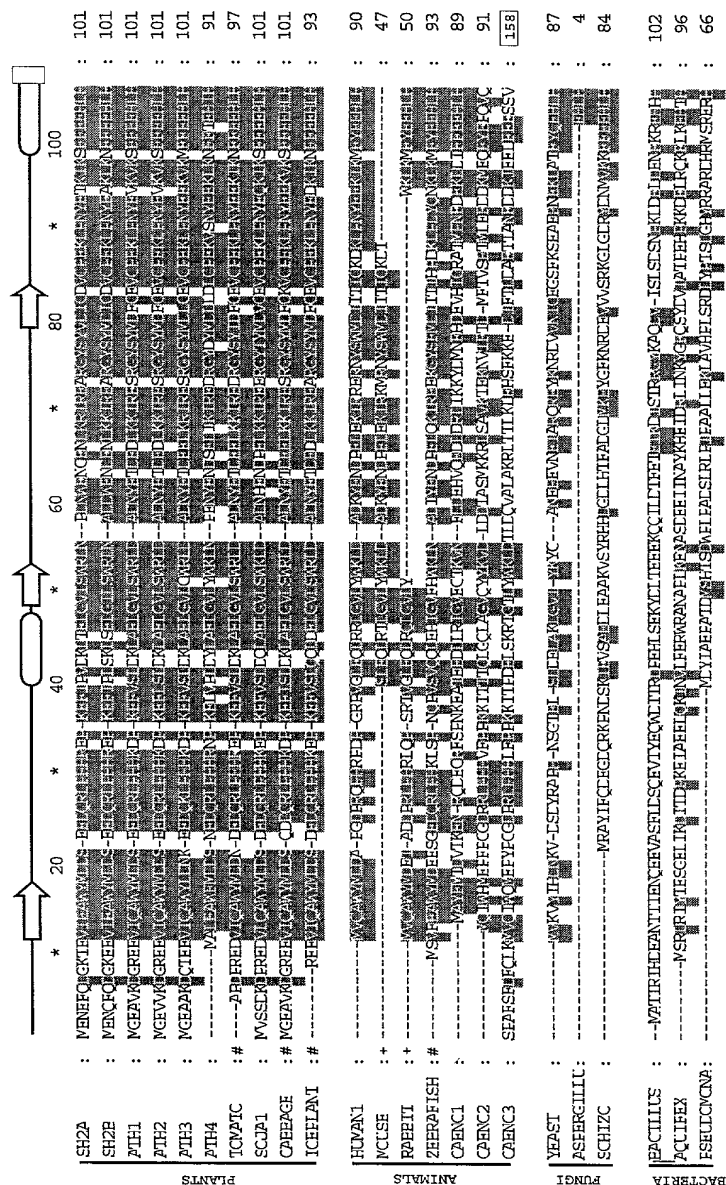


Fig 2 cont'd

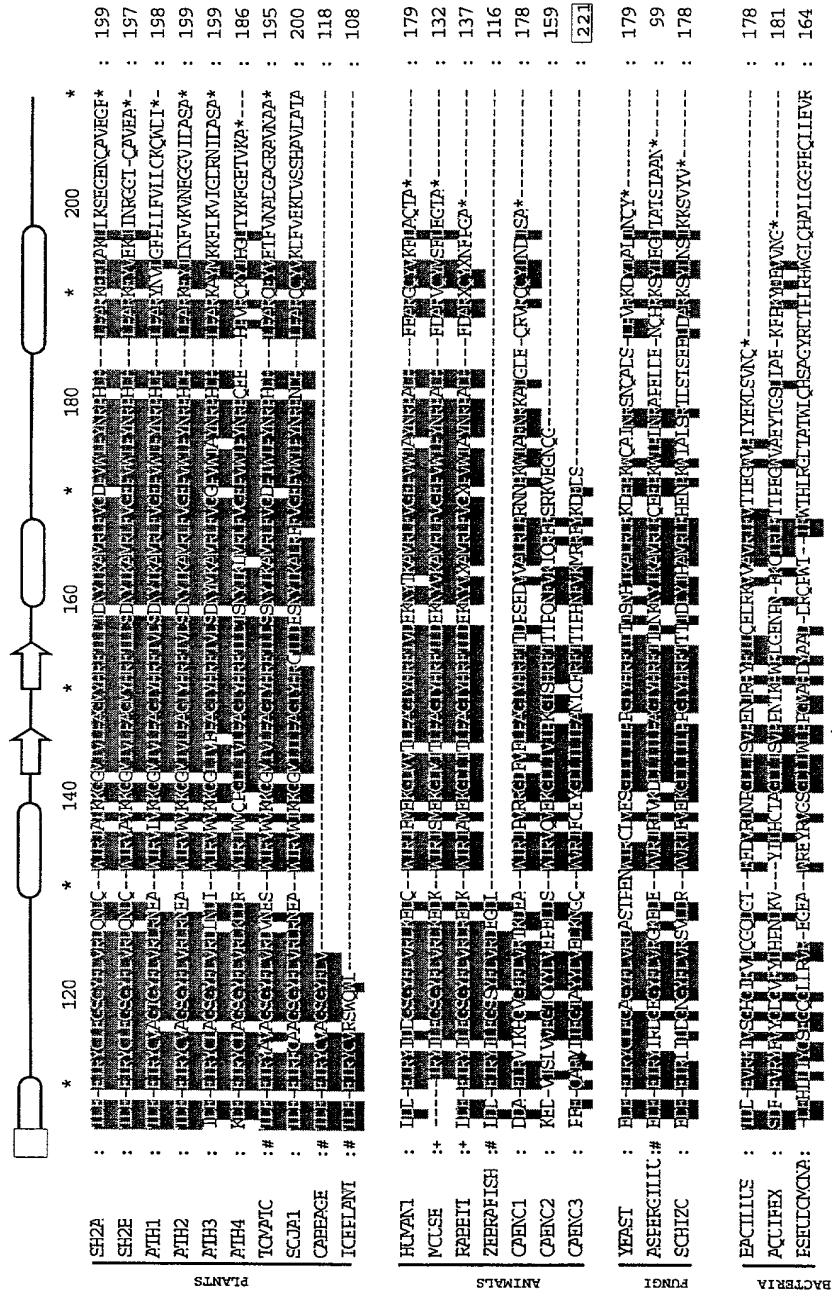


Fig. 3

	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO
<i>Oryza sativa</i> SH2A	84 (93)	70 (85)	71 (87)	67 (83)	59 (74)	50 (67)	30 (49)	20 (35)	23 (46)	33 (46)	32 (51)	17 (33)	14 (29)	14 (24)	
<i>Oryza sativa</i> SH2B	84 (93)	75 (87)	75 (88)	70 (84)	60 (75)	54 (69)	31 (49)	20 (35)	24 (47)	31 (44)	33 (50)	18 (33)	14 (29)	14 (24)	
<i>Arabidopsis thaliana</i> 1	70 (85)	75 (87)	92 (95)	80 (88)	57 (73)	56 (69)	32 (52)	20 (36)	26 (47)	33 (45)	35 (51)	18 (34)	14 (30)	14 (26)	
<i>Arabidopsis thaliana</i> 2	71 (87)	75 (88)	92 (95)	82 (89)	58 (75)	54 (68)	31 (50)	18 (34)	24 (45)	33 (46)	34 (50)	18 (33)	14 (30)	13 (25)	
<i>Arabidopsis thaliana</i> 3	67 (83)	70 (84)	80 (88)	82 (89)	57 (73)	54 (69)	30 (50)	18 (34)	23 (45)	33 (45)	33 (48)	18 (32)	15 (30)	12 (26)	
<i>Arabidopsis thaliana</i> 4	59 (74)	60 (75)	57 (73)	58 (75)	57 (73)	54 (70)	34 (53)	23 (46)	24 (41)	27 (41)	39 (56)	19 (32)	18 (30)	12 (24)	
<i>Homo sapiens</i>	50 (67)	54 (69)	56 (69)	54 (68)	54 (69)	54 (70)	39 (58)	22 (37)	29 (53)	35 (51)	38 (55)	19 (34)	17 (32)	12 (23)	
<i>Caenorhabditis elegans</i> 1	30 (49)	31 (49)	32 (52)	31 (50)	30 (50)	34 (53)	39 (58)	15 (29)	23 (46)	36 (51)	32 (49)	18 (35)	20 (33)	11 (25)	
<i>Caenorhabditis elegans</i> 2	20 (35)	20 (35)	20 (36)	18 (34)	18 (34)	23 (46)	22 (37)	15 (29)	33 (48)	15 (29)	15 (31)	10 (23)	9 (20)	5 (12)	
<i>Caenorhabditis elegans</i> 3	23 (46)	24 (47)	26 (47)	24 (45)	23 (45)	24 (41)	29 (53)	23 (46)	33 (48)	22 (42)	21 (45)	14 (35)	12 (25)	8 (22)	
<i>Schizosaccharomyces pombe</i>	33 (46)	31 (44)	33 (45)	33 (46)	33 (48)	27 (41)	35 (51)	36 (51)	15 (29)	22 (42)	37 (58)	18 (36)	20 (34)	14 (26)	
<i>Saccharomyces cerevisiae</i>	32 (51)	33 (50)	35 (51)	34 (50)	34 (50)	39 (56)	38 (55)	32 (49)	15 (31)	21 (45)	37 (59)	16 (33)	17 (30)	15 (24)	
<i>Bacillus subtilis</i>	17 (33)	18 (33)	18 (34)	18 (33)	18 (32)	19 (32)	19 (34)	18 (35)	10 (23)	14 (35)	18 (36)	16 (33)	26 (46)	6 (19)	
<i>Aquifex aeolicus</i>	14 (29)	14 (29)	14 (30)	15 (30)	18 (30)	17 (32)	20 (33)	9 (20)	12 (25)	20 (34)	17 (30)	26 (46)	7 (19)	7 (19)	
<i>Pseudomonas aeruginosa</i>	14 (24)	14 (24)	14 (26)	13 (25)	12 (26)	12 (24)	12 (23)	11 (25)	5 (12)	8 (22)	14 (26)	15 (24)	6 (19)	7 (19)	
	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO

Fig.4

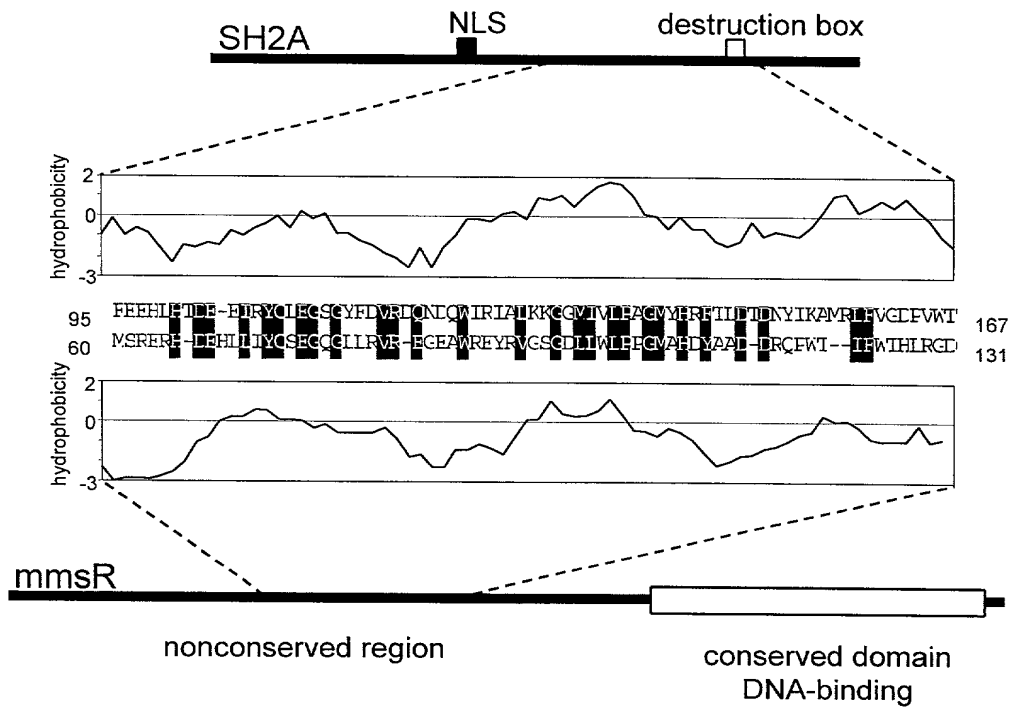


Fig. 5

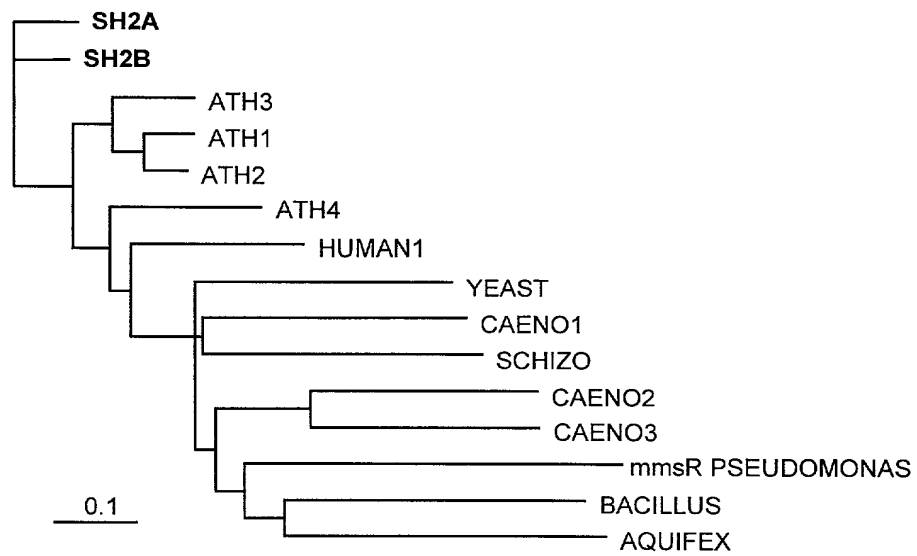


Fig. 6

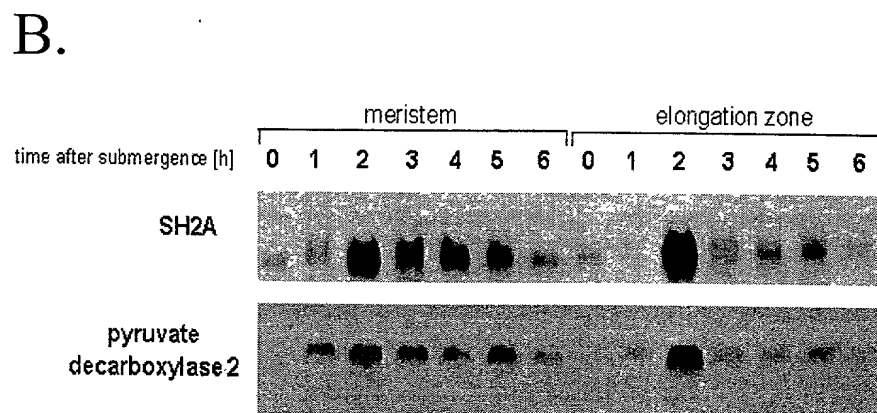
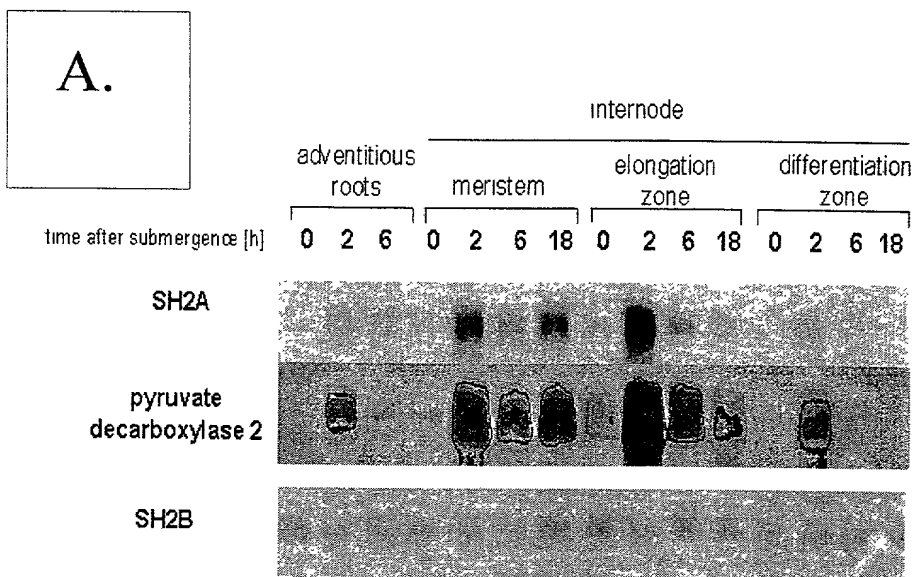


Fig. 7

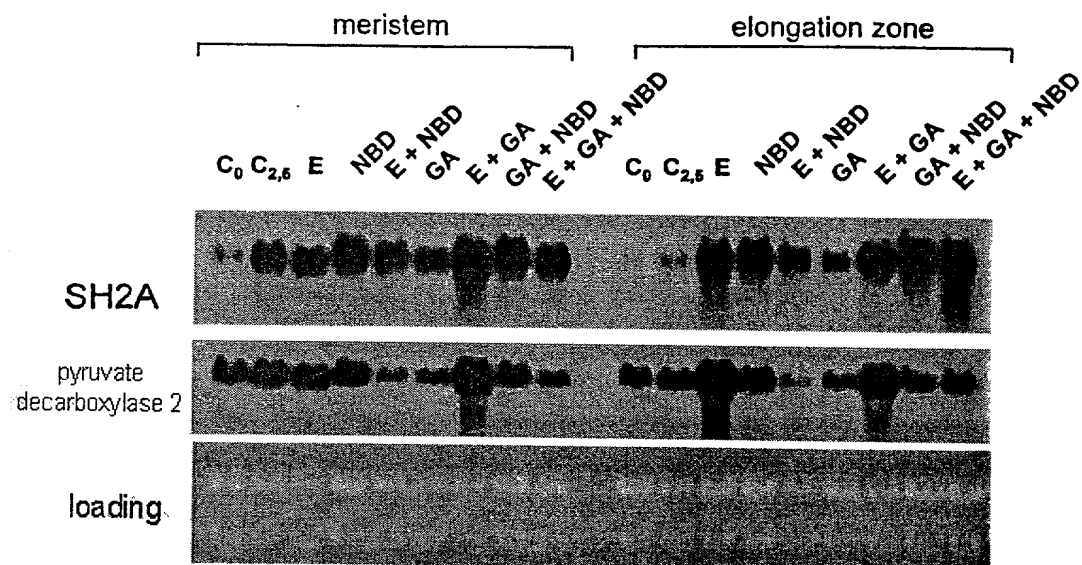
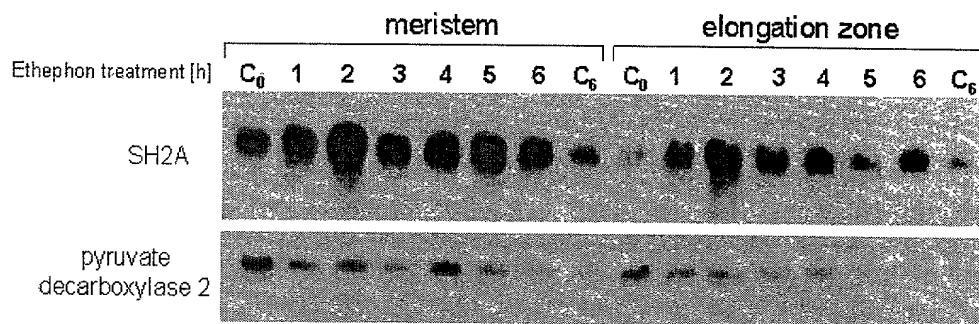


Fig.8

A



B

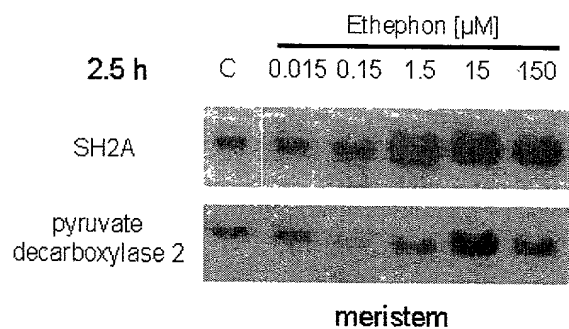
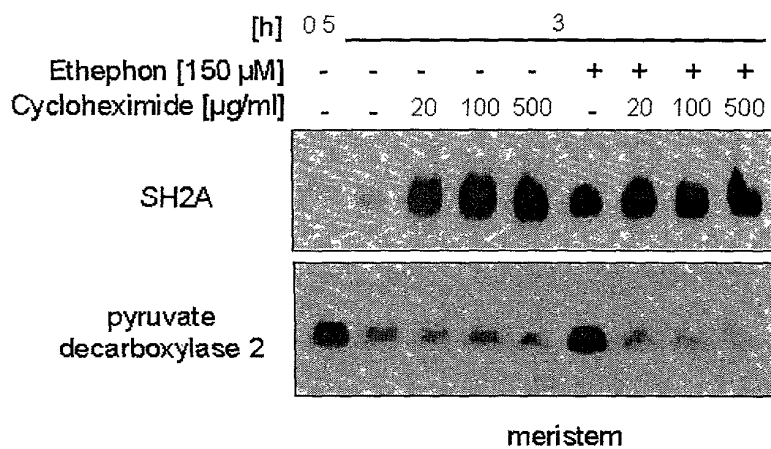


Fig.9

A



B

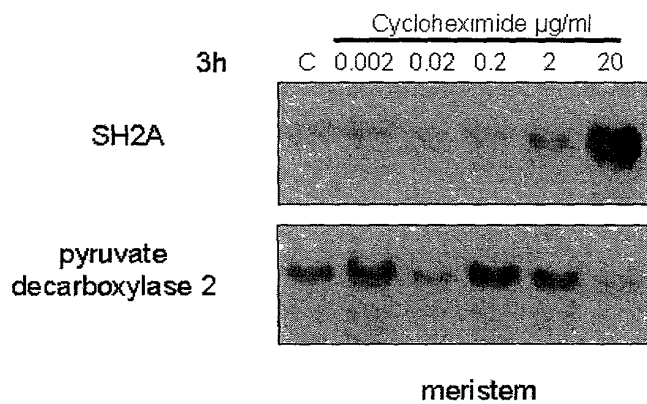


Fig. 10

